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**1 Queue: Volume 6 Issue 3**

May 2008 Queue

**Publisher:** ACM

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**Bibliometrics:** Downloads (6 Weeks): 232, Downloads (12 Months): 649, Download Rank: 1000

**2 Rule responder: RuleML-based agents for distributed collaboration over the Semantic Web**

Adrian Paschke, Harold Boley, Alexander Kozlenkov, Benjamin Craig

October 2007 **ICPW '07: Proceedings of the 2nd international conference on rule-based systems**

**Publisher:** ACM

Full text available: [Pdf \(681.78 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 136, Download Rank: 1000

The Rule Responder project ([responder.ruleml.org](#)) extends the Semantic Web technology to support distributed collaboration over the Semantic Web. It allows collaborative human-computer networks. These allow semi-automated collaboration in various pragmatic contexts, ...

**Keywords:** complex event processing, coordination, multi agent system, representation languages, rule interchange format

**3 Chimera: hypermedia for heterogeneous software development environments**

Kenneth M. Anderson, Richard N. Taylor, E. James Whitehead, Jr.

July 2000 **Transactions on Information Systems (TOIS)**, Volume 18

**Publisher:** ACM

Full text available: [Pdf \(864.32 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 53, Download Rank: 1000

Emerging software development environments are characterized by heterogeneous stores, user interfaces, and tools. This paper presents an approach for building heterogeneous environments. Central ...

**Keywords:** heterogeneous hypermedia, hypermedia system architecture, software development environments

**4 Service oriented architectures: approaches, technologies and research challenges**

Mike P. Papazoglou, Willem-Jan Heuvel

July 2007 **The VLDB Journal — The International Journal on Very Large Data Bases**

**Publisher:** Springer-Verlag New York, Inc.

Full text available: [Pdf \(818.68 KB\)](#) Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 255, Downloads (12 Months): 2677, Download Rank: 1000

Service-oriented architectures (SOA) is an emerging approach that adds standards-based, and protocol-independent distributed computing. Typically, they comprise a number of invocations ...

**Keywords:** Application and service integration, Asynchronous and event oriented architecture, Web services

## 5 Computing curricula 2001

 CORPORATE The Joint Task Force on Computing Curricula  
September 2001 **Journal on Educational Resources in Computing (JER)**

**Publisher:** ACM 

Full text available:  Html (2.78 KB),  Pdf (613.63 KB) Additional Information: [full citation, at](#)

**Bibliometrics:** Downloads (6 Weeks): 94, Downloads (12 Months): 1187, Download

## 6 Experiences with recombinant computing: Exploring ad hoc interopera

 W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor E. Smith  
April 2009 **Transactions on Computer-Human Interaction (TOCHI)**

**Publisher:** ACM 

Full text available:  Pdf (3.34 MB) Additional Information: [full citation, at](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 153, Download

This article describes an infrastructure that supports the creation of interoperable prior agreements about the specific forms of communication between the parties in a set of "meta-interfaces"—agreements ...

**Keywords:** Mobile code, Object, Speakeasy, discovery, infrastructure, interoperability, user interfaces

## 7 Asynchronous information space analysis architecture using content

 Ke-Yih Yao, In-Young Ko, Ragy Eleish, Robert Neches  
June 2000 **DL '00: Proceedings of the fifth ACM conference on Digital libraries**

**Publisher:** ACM 

Full text available:  Pdf (470.15 KB) Additional Information: [full citation, at](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 48, Download

Our project focuses on rapid formation and utilization of custom collections of distributed, uncoupled components to support the assembly of ad-hoc, time-paged tasks. Assembling such collections, as well as organizing and analyzing them, requires sophisticated ...

**Keywords:** asynchronous service access, component architecture, content delivery, information analysis, information management, metadata

## 8 Simulation in the international IMS MISSION project: the IMS MISSION simulation

Charles McLean, Frank Riddick

December 2000 **WSC '00: Proceedings of the 32nd conference on Winter simulation**  
**Publisher:** Society for Computer Simulation International

Full text available:  Pdf (269.47 KB) Additional Information: [full citation, at](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 31, Download

This paper presents an overview of a neutral reference architecture for integrating distributed systems.

**9 What does aspect-oriented programming mean to Cobol?**

 Ralf Lämmel, Kris De Schutter

March 2005 **AOSD '05:** Proceedings of the 4th international conference o

**Publisher:** ACM 

Full text available:  Pdf (172.28 KB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 62, Download

We study AOP in the context of business programming with Cobol. We f in Cobol programs? What is advice? Does classic Cobol provide any cons crosscutting ...

**Keywords:** Cobol, aspect-oriented programming, business programmir

**10 A REST protocol and composite format for interactive web document**

 John M. Boyer, Charles F. Wiecha, Rahul P. Akolkar

September 2009 **DocEng '09:** Proceedings of the 9th ACM symposium on D

**Publisher:** ACM 

Full text available:  Pdf (553.72 KB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 21, Download

Documents allow end-users to encapsulate information related to a coll be saved, emailed, digitally signed, and used as the basis of interaction documents are ...

**Keywords:** collaboration, document-centric, html, odf, rich internet appli

**11 Engineering ab initio dynamic interoperability and composability via s**

Levent Yilmaz, Andreas Tolk

December 2006 **WSC '06:** Proceedings of the 38th conference on Winter sir

**Publisher:** Winter Simulation Conference

Full text available:  Pdf (246.10 KB)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 22, Download

Complex software intensive simulation systems must respond to changi Hence, dynamic extensibility and adaptability is a significant concern in interoperability and ...

**12 Web services enterprise security architecture: a case study**

 Carlos Gutiérrez, Eduardo Fernández-Medina, Mario Plattini

November 2005 **SWS '05:** Proceedings of the 2005 workshop on Secure we

**Publisher:** ACM 

Full text available:  Pdf (341.82 KB)

Additional Information: [full citation](#), [at](#)

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Web Services (WS hereafter) Security is a crucial aspect for technologie adopted by the industry. As a consequence, a lot of initiativesof initiativ their main purpose ...

**Keywords:** security, software architecture, software development proc

 Type-safe multithreading in cyclone

Dan Grossman

January 2003 **TLDI '03**: Proceedings of the 2003 ACM SIGPLAN international implementation**Publisher:** ACM Full text available:  Pdf (228.33 KB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 42, Downloaded 0 times

We extend Cyclone, a type-safe polymorphic language at the C level of can violate type safety in Cyclone. An extended type system statically g shared data ...

**Keywords:** cyclone, data races, types

Also published in:

March 2003 **SIGPLAN Notices** Volume 38 Issue 3**14 The Conquest file system: Better performance through a disk/persist** An-Li Andy Wang, Geoff Kuenning, Peter Reiher, Gerald PopekAugust 2006 **Transactions on Storage (TOS)**, Volume 2 Issue 3**Publisher:** ACM Full text available:  Pdf (1.34 MB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 194, Downloaded 0 times

Modern file systems assume the use of disk, a system-wide performance caching and RAM file systems either impose high overhead to access memory to achieve data persistence ...

**Keywords:** Persistent RAM, file systems, performance measurement, storage**15 Deploying and managing Web services: issues, solutions, and directions**

Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008 **The VLDB Journal — The International Journal on Very Large Data Bases****Publisher:** Springer-Verlag New York, Inc.Full text available:  Pdf (903.96 KB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 192, Downloads (12 Months): 1991, Downloaded 0 times

Web services are expected to be the key technology in enabling the next generation of distributed systems. In this paradigm shift, Web services would be treated as first-class citizens in distributed systems ...

**Keywords:** Interoperability, Service-oriented computing, Web service architecture**16 A framework for service-oriented computing with C and C++ Web services** Robert A. Van EngelenMay 2008 **Transactions on Internet Technology (TOIT)**, Volume 8 Issue 2**Publisher:** ACM Full text available:  Pdf (1.08 MB)Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 311, Downloaded 0 times

Service-oriented architectures use loosely coupled software services to enable reuse of existing components by different applications and software users. Several software engineering challenges have to be addressed to support the reuse of existing applications and specialized system ...

**Keywords:** Service-oriented computing, Web services standards

**17 A mobile computing middleware for location- and context-aware inte**

 [Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli](#)

November 2006 **Transactions on Internet Technology (TOIT)**, Volume 6

**Publisher:** ACM 

Full text available:  [Pdf \(316.77 KB\)](#)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 39, Downloads (12 Months): 355, Downl

The widespread diffusion of mobile computing calls for novel services capable of adapting to the current physical position of users (location) and the logical set of access rights ...

**Keywords:** Mobile computing, adaptive services, context awareness, location policies

**18 Process modeling in Web applications**

 [Marco Brambilla, Stefano Ceri, Piero Fraternali, Ioana Manolescu](#)

October 2006 **Transactions on Software Engineering and Methodology**

**Publisher:** ACM 

Full text available:  [Pdf \(1.17 MB\)](#)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 148, Downloads (12 Months): 1095, Downl

While Web applications evolve towards ubiquitous, enterprise-wide or multi-tier systems, new requirements, such as the capability of managing complex processes spanning multiple distributed and interconnecting software ...

**Keywords:** Web applications, Web engineering, conceptual modeling, visualization

**19 Exporting and interactively querying Web service-accessed sources:**

 [Michalis Petropoulos, Alin Deutsch, Yannis Papakonstantinou, Yannis Katsis](#)

November 2007 **Transactions on Database Systems (TODS)**, Volume 32 I

**Publisher:** ACM 

Full text available:  [Pdf \(1.80 MB\)](#)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 106, Downl

The CLIDE System assists the owners of sources that participate in Web services to export their schema and to interactively query it. The sources may be relational ...

**Keywords:** Middleware, Web services, limited access patterns, query re

**20 Checking type safety of foreign function calls**

 [Michael Furr, Jeffrey S. Foster](#)

July 2008 **Transactions on Programming Languages and Systems**

**Publisher:** ACM 

Full text available:  [Pdf \(1.32 MB\)](#)

Additional Information: [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 123, Downl

Foreign function interfaces (FFIs) allow components in different languages to interact. FFIs are useful, they often require writing tricky low-level code and incl

**Keywords:** FFI, Foreign function interface, JNI, Java, Java Native Inter  
system, foreign function calls, multilingual type inference, multilingual t

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